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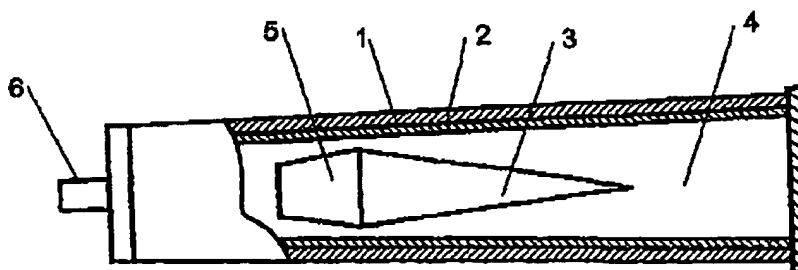
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(54) Title: HIGH VELOCITY PROJECTILES



(57) Abstract: A shaped charge and projectile combination for firing from a weapon, the combination including projectile (3), shaped charge (1) of high explosive material and metal liner (2) located between charge (1) and projectile (3). Charge (1) includes detonator (6) and cavity (4) in an external face facing the muzzle of the weapon, cavity (4) being shaped to axially concentrate explosive on detonation of charge (1) towards the rear (5) of projectile (3). Metal liner (2) forms a jet of liner material on detonation of charge (1) to impact the rear (5) of projectile (3) and so propel projectile (3) from the weapon at high velocity, typically greater than 1000 m/s and up to 6000 m/s. Projectile (3) therefore travels a flatter trajectory and has a higher penetrating power than a conventionally propelled projectile.

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